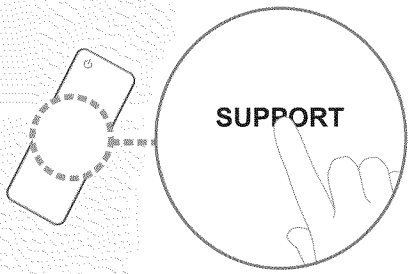
SAMSUNG

E-MANUAL



Thank you for purchasing this Samsung product.

To receive more complete service, please register your product at

www.samsung.com/register

Model_____ Serial No._____

Using the Samsung Apps

Samsung Apps

→ Samsung Apps

Samsung Apps is a store from which you can download applications to use on Samsung TV/AV equipment.

You can enjoy a variety of contents such as videos, music, photos, games, useful information etc. using the downloaded applications.

New applications are added regularly.

Using the colored and function buttons with the Samsung Apps

- A Login / Logout

  Log in or log out to your Samsung account.

- B Filter by Price

  To toggle the view between All, Paid and Free.

- C Sort

  To sort the applications by Recommended, Name, Date, or

Downloaded.

✎ You can sort all categories except Most Popular.

- D View Mode

  Each time you select D using your remote, the View Mode toggles between basic mode and thumbnail mode.

- ◄◄ Previous

  Move to previous page.

- ►► Next

Move to next page.

- Tools

  Displays the option menu.

- Return

  Moves to previous menu.

Using the Samsung Apps by category

The following categories are available:

- What's New?

  User can easily find newly (latest) registered application.

- Most Popular

Displays the most popular applications for users.

- Videos

  Includes apps that provide video media such as movies, TV shows and short length videos.

- Games

  Includes various game apps such as sudoku and chess.

- Sports

  Includes apps that provide sports

content such as game results, images and short length video.

- Lifestyle

  Includes apps that provide lifestyle media services such as music, personal photo management tools, and social networking such as Facebook and Twitter.

- Information

  Includes apps that provide information content such as news, financial

information, stock quotes, weather, etc.

- Education

  Includes apps that provide education contents such as story book, dictionary, VOD (Video on Demand) for kids etc.

- My Apps

  My Apps offers information about your available App cash coupon, purchased app list or already installed applications on your TV like detailed information, download contents etc.

✎ You can purchase App cash that you can use to buy applications through tv.samsungapps.com.

- Help

  If you have questions about the Samsung Apps, check this section first.

To search an application in Samsung Apps, follow these steps:

1. On the Samsung Apps screen, select Search Samsung Apps. The Search window appears.

2. Enter a keyword you want to search using your remote.
3. When done, select an entry field.
4. Wait until the search result screen displays. Then you can select an application you want in the search result screen.

You can find the keyword in the search history If you searched a keyword before.

Search

→ Search

(May not be available, depending on your country.)

Easily search for and access content from diverse sources (e.g. applications, Your Video, AllShare Play)

1. On the Smart Hub screen, select Search.
2. If you want to input a search term directly, select an entry field. A

keypad screen appears. Enter the search term using your remote.

If you want to search by category, select a category using your remote.

Using the Search function by category

- Your Video

  Personalize your movie-watching with a customized video on demand (VOD) recommendation service.

- Most Searched

You can search by selecting a key word in the key word list. The key word list displays words you frequently use for searches.

- Top Application

  You can search applications and services in the application list. The application list displays apps that users download frequently.

- Search History

  You can find the keyword in the search

history if you searched a keyword before.

Using the colored and function buttons with the Search

- B Refresh

  Refresh the Search function.

- Tools

  You can set a general setting for Search function or delete the search history.

- Return

  Return to the previous menu.

Using the Tools menu with Search

- General Settings

  Keyword Recommendation: Turns on or off the Keyword Recommendation function.

  Search Scope: Sets a search scope. The default is allowed all application.

  To customize a search scope you want, follow these steps:

  1. On the Search screen, open the Tools menu using your remote.

2. Select General Settings.
3. Select an application in the Search Scope. A ✓ mark disappears in the check box.
4. When done, Press the RETURN↩ button.

- Search History

  You can delete the keyword in the search history. Also, If you select Delete All, delete all your search history.

Your Video

→ Your Video

(May not be available, depending on your country.)

Using this service from the Smart Hub, you can get video recommendation and search for movies from multiple providers.

Using the Your Video

1. On the Smart Hub screen, select Your Video.

2. Enjoy your movie watching with a customized video on demand (VOD) recommendation service.

Family Story

→ Family Story

Family Story feature allows you to share photos, messages, and events with your family.

- Create Group

  If you are starting Family Story for the first time among your family members, you can create a group and invite members.

- Invite Members

After creating a group, you can invite your family members who you want to share your family's photos and events with.

- Join Group

  If you were invited to this service from your family member, you can select Join Group to enjoy Family Story service.

To create a family group, follow these steps:

1. On the Smart Hub screen, select Family Story. The Family Story screen appears.
2. Select Create Group. The Create Group screen appears.
3. Select AGREE. It is required to agree with the terms prior to using Family Story.
4. Enter a Group Name, Your Name and Your Phone Number using your remote.

If you want to add a group image, select an image box. (An external device containing photos must be connected to your TV via USB.)

* Fields marked with an asterisk are required.

5. When done, select Done. The group creation is completed.

If you want to invite members to your group, select Invite Members. If you want to go your Family

Story, select Go to Family Story.

To invite members to your Family Story, follow these steps:

1. From the starting menu of Family Story, open the Tools menu using your remote, and then select Group Members. The Group Members screen appears.
2. Select Invite Members. The Invite Members for your Family Story screen appears.

3. Select Select to enter Name.. The keypad screen appears.
4. Enter member's name using your remote. When done, select Done.
5. Select Phone number or Samsung account ID. The keypad screen re-appears.
6. Enter member's phone number or Samsung account ID using your remote. When done, select Done.
7. When done, select Done.

✎ If you want to add more members, select Add member, and repeat the Step 3 and 7.

8. New member invitation has been completed.

9. If invited by phone number, 4-digit invite code will be generated and the code need to be shared with the member. If invited by Samsung Account, the member will be notified about the invitation via e-mail. Select

OK to finish.

To join a group using the received invite code, follow these steps:

1. Start Family Story and accept the terms.
2. You will see a pop-up message asking about invitation type. If you were invited by phone number, please select Invite Code, or if you were invited by Samsung account, please select Samsung Account.

3. If joining by Samsung Account, a list of invitation from your family groups will be displayed. Select Accept to join. You can select Deny if you don't want to join the invited group.
4. If joining by Invite Code, firstly enter your phone number using your remote. When done, select Done. Then you will see a list of invitations from your family groups. Select Accept to join. You can select Deny

if you don't want to join the invited group. Enter the 4-digit invite code shared by your family member, and then select Done to finish.

5. Select OK. Joining your family group has been completed.

Fitness

→ Fitness

Using this function provided by Smart Hub, Lets you manage Fitness using the exercise-related application downloaded in the Samsung Apps.

To use the Fitness, you should be logged in Smart Hub.

Read these note before exercising...

Please do a warm-up or stretch before exercising.

- Stop exercising immediately if you feel pain, or dizzy, exhausted, or short of breath.

Create Your Profile

When you start Fitness for the first time, you should create your own profile. On Fitness screen, select Create Your Profile. A pop-up message appears. Select Create Your Profile.

- To go to next step, move to right side using your remote.

1. Name: Select First Name and Last Name to put in a new user name. The keypad screen appears. Enter your name using the remote. When done, select OK.
2. Gender: Select your gender.
3. Birthdate: Enter your birthdate using your remote. It will be used to personalize some things for you.
4. Unit: Select your preferred units. The selected units will be applied all over

Fitness.

5. Height: Enter your height. This will be used to calculate your body max index (BMI).

6. Weight: Enter your weight. This will be used to calculate your body max index (BMI).

7. Complete: Creation of your profile is finished. The TV displays the information of your profile and BMI. To start the Fitness, select Enjoy

Fitness.

Using the Fitness with categories

- Exercise

  Provide information on your exercise goal, current status and recommended contents.

- Progress

  Provide information on your basic body profile, exercise progress, achievements for your goals, etc..

Kids

→ Kids

Using this function provided by Smart Hub, lets you provides a quick launcher and the recommended list to access the kids or education-related application or contents easily and quickly. Also, it helps user (parents) to manage your kids.

Using the Kids with categories

- Playground

Displays recommended contents and applications. When you select an application or content, the TV executes an application or contents immediately.

- The maximum number of contents list is 40.
- The contents list can be edited by user (parents). For more detailed information, refer to "My Choice" in this section.

- Sticker Book

Displays the Sticker Books collected stickers which your kids received. Also, it can be share with your Family Story.

Your kids can receive the sticker through these methods:

- **By User (parent)**: Presents a sticker using the Present Sticker function in the Parents menu.
- **Automatically**: Presents a sticker when watching content.

Creating a Sticker Book

1. If you want to create a new Sticker Book, select Create a New Sticker Book. The Create a New Sticker Book screen appears.
2. Enter the Sticker Book's name using your remote. When done, select Next.
3. Select a color of the Sticker Book. When done, select Next.
4. Check the created sticker book. If you want to change a name, select

Edit. If you want to change a color, select Back.

5. When done, select Done. A new Story Book is created.

✎ You can create a new sticker book. Maximum number of books is 10.

✎ You can check arrived stickers in the Get New Stickers. A new sticker will be saved only 10 stickers which recently received.

- Browse All

Displays the kids or education-related applications list and all contents list.

When you select an application or contents, if the application or contents were not installed to the TV, the TV displays the corresponding download screen in the Samsung Apps screen.

To use the Browse All, follow these steps:

1. On the Browse All screen, select a

character you wish. The selected character screen appears.

2. Select a contents you want play.

   Videos: Displays the video contents of the corresponding character.

   Games: Displays the game contents of the corresponding character.

   Stories: Displays the e-book contents of the corresponding character.

3. The detailed information screen of the selected contents appears. You

can play the contents, share with your Family Story, add to Playground, and give a rating.

If you were purchased already, you can play the contents. If you are not purchased, you can download the contents in the Samsung Apps.

- Parents

  Lets you can edit the Playground, give stickers to your kids, check a usage time, and set to alarm.

My Choice

You can add or delete the contents in the Playground. The Playground displays the added contents only.

To add or delete the contents in the Playground, follow these steps:

1. On the Parents screen, select My Choice. The My Choice screen appears.
2. Select contents you want to add or delete in the list. A pop-up message

appears.

3. Select Yes.
4. The selected contents will be added or deleted.

Present Sticker

When your kids did a good job today, you can present a sticker to your kids.

To present a sticker to your kids, follow these steps:

1. On the Parents screen, select Present

Sticker. The Present Sticker screen appears.

2. Select a sticker you want to present.

   A pop-up message appears.

3. Select Yes.

4. Select a sticker book you want to present, and then select Present.

   ✎ If you want to check a sticker book, select Check Now. You can check the sticker in the selected sticker book.

5. The selected sticker will be presented to your kids.

History

Lets you check a usage time of the application of your kids through a graph. Also, you can check a usage time of the each contents of your kids. Change a date or content title using your remote.

Set Alarm

Lets you can set the watching time of your kids. When the time is ended, the alarm window appears.

To set the watching time, follow these steps:

1. On the Parents screen, select Set Alarm. The Set Alarm screen appears.
2. Select Timer.
3. Select time you wish. The alarm will be set.

Web Browser

→ Web Browser

(May not be available, depending on your country.)

Using this function provided by the Smart Hub, you can surf the Internet on your TV.

1. On the Smart Hub screen, select Web Browser. The Web Browser screen appears.
2. Surf the Internet in the same way as

on a PC.

Using the colored and function buttons with the Web Browser

- B Control Panel

  Shows or hides the control panel in the top of the screen.

- C Link Browsing / Pointer Browsing

  You can change the cursor to Link Browsing mode or Pointer Browsing mode.

- D PIP

Turns PIP on or off. With PIP on, you can watch TV while using the Web Browser.

- Tools

  Displays the Tools menu.

  Control Panel: Shows or hides the control panel in the top of the screen.

  Link Browsing / Pointer Browsing: You can change the cursor to Link Browsing mode or Pointer Browsing mode.

  PIP: Turns PIP on or off.

Add to Bookmark: Add to current page to the Bookmarks.

Enable Grabbing / Disable Grabbing: You can move to the direction you want a current web page. To move a web page, select a web page. Then move to direction you wish using your remote.

Available only when cursor is set to Pointer Browsing.

- ◄◄ ►► Scroll up/down

You can scroll the page up or down.

Available only when cursor is set to Link Browsing.

- Return

  Close the Web Browser.

Using the Control Panel with Web Browser

The Web Browser has a series of icons across the top of the screen. With these icons, you can easily use the Web Browser. The icons are described below, starting with the icon on the far left of the screen.

- Back

  Moves to the previous web page.

  ✎ If there is no saved previous web page, this icon will not work.

- Forward

  Moves to the next web page if there are saved URLs.

  ✎ If there is no saved next web page, this icon will not work.

- Refresh / Stop

  Refreshes the current page or stops the

current connection from loading.

- Home Page

  Goes to the URL you specified as your the home page.

- Zoom

  You can select a zoom level of 50%, 75%, 100%, 125%, 150%, 200%, 300%, and Fit to screen.

- Bookmarks

  Displays the Bookmarks screen. You can set the current page as a bookmark

or select a favorite page to visit from the bookmark list. You can also sort by Date, Name, or Times Visited. To sort, select the Sort. When you select Enter URL, you can enter in a new URL address directly using your remote.

When you highlight a page, the Option appears on the right. In the Option pop-up, you can edit the selected page or delete the selected page from bookmark list.

Using the Tools menu with Bookmarks

- Delete All

  Delete all bookmark lists.

- Add to Bookmark

  Sets the current page as a bookmark.

- Import bookmarks

  You can import a bookmark file saved in the other device like a PC.

- Export bookmarks

  You can export a bookmark file from your TV to the other device

connected your TV.

- History

  Displays the History screen. You can select a web page to visit in the History list. You can also sort by Date, Name, or Times Visited. To sort, select the Sort. When you select Enter URL, you can enter in a new URL address directly using your remote.

  When you highlight a page, the Option appears on the right. In the Option

pop-up you can delete the selected page from the history list or add the selected page to bookmark.

If you want to delete all history list, open the Tools menu using your remote, and then select Delete All.

- **URL Field**

  Shows the URL of the current page. If you select the URL field, the URL pop-up appears. Using your remote, you can enter in a new URL directly.

- Windows List

  Displays list or images of open windows (the Windows List). You can open a new page to the list (using Open new window), select and access a page in the list, select and close a page in the list, or close all pages. When you select Enter URL, you can enter in a new URL address directly using your remote.

  Using the Tools menu with Windows List

- Open new window

  Open the new web browser. A new web browser automatically displays the home page.

- Close all windows

  Close the currently opened all Windows List. After closing all Windows List, TV opens a new web browser automatically. A new web browser automatically displays the home page.

- Search

  Lets you search the web. When you select the Search entry field, the Search screen appears.

  To search the web by word input, follow these steps:

  1. On the Search screen, select the search engine. Also, you can select a different search engine.
  2. Select Please enter a keyword.. The keypad screen appears.

3. Enter the word you want to search using your remote. The TV searches the word by search engine.

- Share

  Share the current web page to your Family Story.

- Options

  You can configure the Web Browser settings.

Setting up the Web Browser

Move the cursor to the top of the screen, and then select the Options icon.

- Reading Tools

  Provides an easy-to-read page by enlarging the main text.

- Approved Sites

  Allows to restrict your children's access to inappropriate web pages. Therefore, this function allows access of only the registered web sites.

Every time you access the Approved Sites, the PIN screen appears and you should enter the PIN.

Approved Sites Feature: Turns on or off the Approved Sites.

Reset password for Approved Sites: Change the Approved Sites password.

Add current site: Lets you add the currently displayed web site to the Approved Sites list.

Manage Approved Sites: Lets you key

in URLs to add to the Approved Sites List and delete sites from the Approved Sites list.

If you turn Approved Sites on and have not added any sites to the Clean site list, you will not be able to access any Internet sites.

- Private Browsing On / Private Browsing off

  Enable or disable the Privacy mode. When the Privacy mode is enabled, the

browser does not retain the URLs of sites you visit. If you want to enable Privacy mode, select Yes.

If the Privacy mode is running, the "Stop" icon appears in front of the URL at the top of the screen. To disable Privacy mode, select it again when Privacy mode is enabled.

- PIP Settings

  Lets you configure the PIP function.

  PIP Position: Select a position for the

PIP sub-picture.

Sound: Select the audio source you will hear - Main or Sub - when PIP is on.

- Web Browser Setting

  You can configure Web Browser options.

  Set as homepage: You can set the home page.

  – Most visited: Set the most frequently visited URL as the home page.

  – Current Page: Sets the current page

as the home page.

- Bookmarks: Sets the bookmarks URL as the home page.
- Enter URL: Lets you key in the URL of the page you want for your home page. The keyboard works like a cell phone texting keyboard.

Pop-up Block settings: Turns the Pop-up Block on or off.

Ad Block Settings: You can determine whether to block advertisements

and select the URLs for which advertisements are blocked.

- Ad Blocker: Turns the Ad Blocker on or off.
- Block current page: Adds the current page to the blocked list.
- Manage blocked sites: You can add a website for which advertisements should be blocked by directly keying in the URL, or you can delete a website from the list.

General: You can delete your personal information.

- Delete history: Deletes the website history.
- Delete browsing data: Deletes Internet access information such as cookies.
- Reset Settings: Reset all web browser settings to the factory defaults.
- Hide Menu: Turns on or off the

control panel auto-hide.

Encoding: You can set the Encoding setting for web pages to Automatic or Manual.

- Auto select: Turns on or off the Encoding setting for web pages automatically.
- Setting: Select the Encoding settings for web pages manually. Select an encoding format from the encoding format list.

Pointer: You can set the speed of the cursor when the cursor is set to Pointer Mode.

– Pointer Speed: Select a pointer speed.

Browser Information: You can check the version information about the Web Browser.

Skype

→ Skype

Skype created a little piece of software that makes communicating with people around the world easy and fun.

With Skype you can say hello or share a laugh with anyone, anywhere. And if both of you are on Skype, it's free. Communicate with people around the world!

For more information, download the

Skype user's manual from "www.samsung.com."

[Legal Statement]

Due to the various capabilities of products featuring the Samsung Smart Hub - Content Service, as well as limitations in the available content, certain features, applications, and services may not be available on all devices or in all territories.

Some features on Smart Hub may also require additional peripheral devices or membership fees that are sold separately. Please visit http://www.samsung.com for more information on specific device information and content availability. The services and availability of content through Smart Hub are subject to change from time to time without prior notice.

SMART Interaction

for LED 7500 series and above, PDP 8000 series

Using this function, you can access and control menu options and functions using speech, motions or face recognition.

INFORMATION BOOKLET DISCLAIMER

- Face recognition Log-in

  In order for Face recognition to function, a thumbnail image of your face will be stored in your TV for

logging-in purposes.

Logging into the Smart Hub using Face recognition does not provide as high a level of security as logging in with an ID and password.

- TV Camera Usage

  Before using the TV Camera, you should be aware that under some circumstances and under certain legal conditions your use/misuse of the TV

Camera can result in legal liability for you. By using the TV Camera, you agree that you will not use the camera (i) in locations where cameras are generally prohibited (such as bathrooms, locker rooms or changing rooms), (ii) in any manner that will result in an invasion of a person's privacy or (iii) in violation of any applicable laws, regulations or statutes.

When you use a TV camera, you should

check whether a tape attached or not in rear of the TV camera, and then you can use a TV camera after adjust a camera angle. When you don't want to use a TV camera, we recommend to use after a camera lens fixes to upwards. In this case, Face recognition and Motion Control are not available.

Voice Control

Menu → System → Voice and Motion Control → Voice Control

Enable or disable the voice recognition function. Lets you access and control menu options and functions using speech.

- For accurate voice recognition, refer to the Standard Voice Command list at the Samsung web site (www.samsung.com → support → Manuals & Downloads).
- Voice Control function can be affected recognition by unclear

pronunciation, voice level, or surrounding noise.

- To use Voice Control, you must pronounce words and phrases clearly and correctly in the language you selected in Language.
- Ambient noise may cause Voice Control to malfunction. (Appropriate surrounding noise: Below 40dB)

Your TV can "hear" your voice commands in two ways:

– Using the TV's microphone. (Distant Recognition)

✎ We are recommended using Voice Control function within about 13 ft with your TV. You can check the usable distance by using Voice Control Environment Test (System → Voice and Motion Control → Voice Control → Voice Control Environment Test).

– Using the VOICE button on

your remote. (Close Proximity Recognition)

- When you use the TV's microphone, the words may not be recognized because of ambient noise. If this occurs, try using the VOICE button on your remote. The TV will be able to recognize a voice command more easily.

- The VOICE button on your remote is always activated. If you want to

use the TV's microphone, turn on Voice Control (System → Voice and Motion Control → Voice Control).

- Say a voice command to proper volume into the microphone of your remote within 0.3 – 0.4 feet. If voice level is too small or large, voice command may not be recognized.

- If a menu option or function is not supported by the Voice Control function, we suggest trying the

Motion Control function. To use the Motion Control, raise your hand while opening it toward the screen, hold it for a moment and then wave it 3~4 time to the left and right. Motion Control starts. If the Motion Control starts, the cursor is displayed at the center of the screen and the Motion Guide Bar Size is at the bottom of the screen.

- Voice Control

Turns the Voice Control function on or off.

The VOICE button on your remote is always activated.

- Language

  Select the recognition language you want to use.

- Trigger Words

  You can select the trigger words that start the Voice Control function. Alternatively you can turn on your TV

using the Trigger Words if Voice Control function is set to On.

– If Trigger Words is set to Hi TV, say Hi TV Power On.

– If Trigger Words is set to Smart TV, say Smart TV Power On.

- Voice Command Bar Size

  Set the Voice Command Bar Size mode to Minimum or Full. Minimum displays the least number of words and phrases you can use. Full displays all the words

and phrases.

- Voice Sensitivity

  You can configure the sensitivity of Voice recognition.

  Howling: Select howling levels.

  Recognition responsiveness: Select the responsiveness level of Voice recognition.

- Voice Control Environment Test

  You can test the amount of ambient noise level detected by the TV

microphone.

– Noise Test: This test checks the amount of ambient noise detected by the TV microphone. Too much ambient noise will prevent Voice Command from functioning. To run, select Next using your remote. The test starts and takes a few seconds. Please keep as quiet as possible during the test.

– Mic & Speaker Test: Determines

if the sound from the TV speakers picked up by the TV microphone will disrupt Voice Command. To run, select Start using your remote. The test starts and takes a few seconds. Please keep as quiet as possible during the test.

Available only when Speaker Select is set to TV Speaker.

– Voice Control Test: This test checks the volume level and clarity of your

voice for use with Voice Control. Select Start using your remote. After the test starts, say the test words listed in the instructions as loudly and clearly as you can.

✎ If the test is not successful, select Retest, and then say the words loudly and clearly again.

To use the Voice Control function, follow these steps:

✎ If Voice Control function is set to On, the

TV may be turned on automatically by effect of the ambient environment.

1. Say the Trigger Words that you selected into the microphone embedded in the TV or press the VOICE button on your Smart Touch Control. The TV displays the Voice Command Bar Size.

   When you use Voice Control, the TV's volume is set to 5 automatically.

2. Say a word or phrase listed in the Voice Command Bar Size.

   ✎ Pronounce the word or phrase clearly and correctly in the language you selected in Language.

3. Wait until recognition is complete, and then say the next command in the same fashion.

   ✎ To exit the Voice Control mode, say the Trigger Words or "Cancel"

using the TV's microphone or press the RETURN button.

Using the Voice Text Input Mode

1. Say "Search All" while in the Voice Control mode.

   When you use a QWERTY keypad screen, you can use the Voice Text Input Mode. Say the Trigger Words that you selected into the microphone embedded in the TV or press the VOICE button on

your Smart Touch Control. You cannot use it for some UIs such as URL input boxes.

2. Say the word or phrase you wish to search for.
3. The TV executes the spoken function.

Voice Control performance levels will vary based on the language spoken.

Motion Control

Menu → System → Voice and Motion Control → Motion Control

Enable or disable the Motion Control function. Lets you control your TV by moving the TV cursor using specific motions.

- Motion Control function can be affected recognition by motion posture, or ambient brightness conditions.
- Some applications may not support Motion Control.
- You may experience physical fatigue

when you use the Motion Control for a long time.

- To use the Motion Control, please avoid direct sunlight.

- We are recommended using Motion Control function within about 5 – 13 ft with your TV. TV Camera's recognition range may differ depending on the angle of camera or other conditions. You can check the recognition range of TV camera by

using Motion Control Environment Test (System → Voice and Motion Control → Motion Control → Motion Control Environment Test).

- Motion Control

  Turns the Motion Control function on or off.

- Motion Guide Bar Size

  Set the Motion Guide Bar Size mode to Minimum or Full.

- Motion Control Environment Test

You can test the brightness of room and the camera angle.

– Brightness Test: This test checks to see if your room is bright enough for Motion Control to work properly. Select Start using your remote. The test starts and takes a few seconds. (Appropriate ambient brightness: 50 - 500 Lux)

Do not illuminating a sunlight or lights directly into the camera lens.

✎ Make sure that the camera lens is cloaked by an object.

– Camera Angle Test: On the Camera Angle Test screen, select Start using your remote. A rectangle appears on the screen. Move yourself into the rectangle by adjusting the camera or moving yourself in front of the camera. If you are not within the rectangle position, the test may not work properly. After aligning your

body with the TV, raise your hand while opening it toward the screen, hold it for a moment and then wave it 3~4 times to the left and right.

To use the Motion Control function, follow these steps:

1. To use the Motion Control, raise your hand while opening it toward the screen, hold it for a moment and then wave it 3~4 time to the left and right. Motion Control starts. If the

Motion Control starts, the cursor is displayed at the center of the screen and the Motion Guide Bar Size is at the bottom of the screen.

2. Control the TV using your hands. For the useable motions, see below.

Note that the Motion Control function closes if your hands go out of the camera range.

While using the Motion Control, if you use the other devices (i.e.

remote control, keyboard, etc.), Motion Control closes.

Controlling the TV with your hands using motions

- **Access Motion Control**
  - **Action**: Spread your hand in the direction of the camera, and shake it three or four times from a side to side.
- Pointing Navigation

  Moves the cursor to the position you

want.

– **Action**: Spread your hand and guide the cursor to position you want.

- Run

Selects an item or executes a command that is indicated by the cursor or is highlighted.

– **Action**: Clench your fist.

When you are viewing a page, you can use the Run motion to move the page in the direction you want. To move a page, clench your fist,

keep it clenched, and then move it in the direction you want the page to move. Note that not all pages can be moved.

- Return

  Return to the previous menu.

  – **Action**: Spread your hand and rotate it counterclockwise.

- **Channel / Volume Control**

  Changes the channel or adjust the volume.

✎ If you use the Motion Control function while watching a channel, the channel / volume control screen appears.

– **Action**: Use the Pointing Navigation motion to move the cursor to the channel or volume controller, and then uses the Run motion to adjust the channel or volume.

✎ If you use the Run motion once, it has the same effect as pressing a

button on your remote. If you hold the Run motion, it has the same effect as pressing and holding a button on your remote.

- Scroll

  Scroll the page in the direction you want. For example, suppose that you want to scroll down.

  Some applications may not support this function.

  1. Move the cursor to the bottom of the

screen (page scroll zone) using the Pointing Navigation motion.

2. Move the cursor to the center of the screen using the Pointing Navigation motion.
3. The page will move down.

Face recognition

→ Tools → Settings → Account Manager → Face recognition

Enable or disable the Face recognition

function. Lets you register your face in your Samsung account. Also, you can log in to the Samsung account using the Face recognition function without inputting your account ID or your account password.

You can register your face in only one account.

To register your face in your Samsung account, follow these steps:

To use this function, you must log into

Smart Hub. If you don't have a Samsung account, you should create one before using this function. To create your Samsung account, refer to “Creating an Account” in Smart Hub.

1. On the Smart Hub screen, open the Tools menu using your remote, and then select Settings.
2. Select Account Manager. The Account Manager screen appears.
3. Select Face recognition. The Face

recognition screen appears.

4. Move your face into the square in the center of the screen, and then wait until a square changes from red to green.

   ✎ If Face recognition fails, select Retry, and then try again.

5. When done, your face is now registered in your Samsung account. The Continue to Register Service window appears.

- If you want to register service later, select OK. You can register services later using the Link to other accounts in the Smart Hub menu (Tools → Settings → Account Manager → Link to other accounts).

To log in to your Samsung account using Face recognition, follow these steps:

- If you use Face recognition to log into Smart Hub, it may be less secure than

logging in with a password.

1. With the Smart Hub screen displayed, select A using your remote. The Samsung Account screen appears.
2. Select Face Recognition Mode. The Face recognition screen appears.

   ✎ To return to the Samsung Account screen, select Password mode.

3. The TV starts Face recognition.

   Face the front of the TV screen.

   The TV will recognize your face

automatically.

- A Green square indicates a registered face. A red-square indicates an unregistered face.
- If the TV fails to recognize your face, try again.

4. The TV logs you into your Samsung account automatically.

- If the TV recognizes two or more, the Samsung account list appears. Select your account to log in.

- If your face is unregistered, you can register your face in your Samsung account. Follow steps 4 through 5 in the “To register your face to your Samsung account, follow these steps:” procedure above.

- If you have no account, you can create one, you can create an account. For more detailed information, refer to “Creating an

Account" in Smart Hub section.